



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010484
CERTIFICATION DATE: October 30, 2013
DATE RECERTIFICATION DUE: April 28, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy

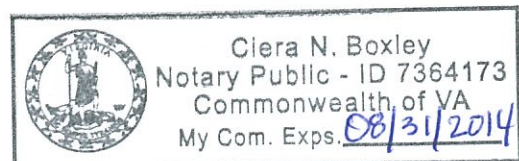
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 14th day of November, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014
TLN



**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 11/1/2013**

DBH

WHL

Instrument Serial Number: 010484	As of 01-Nov-13
---	------------------------

Maintenance Date	Certification Date	Technician Initials	Remarks
30-Oct-13	30-Oct-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. REPLACED UPS BACK-UP BATTERY. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
15-May-13	15-May-13	DBH (21250)	CERTIFIED.
28-Nov-12	28-Nov-12	SED (24178)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
13-Jun-12	13-Jun-12	DBH (21250)	CERTIFIED
06-Jan-12	06-Jan-12	DBH (21250)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
WKL

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010484 Worksheet Start Date 10/30/2013
Location Grayson CO SO
Address 122 Davis St Independence VA 24348
DFS Technician Donald Hall License No. 21250
☐ Laboratory ☒ On-Site

Site Specifications

	Yes	No
1 Secured Environment: Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Environment free from contaminants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Dedicated telephone line: The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 Adequate Ventilation: Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Stable temperature controls: The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 115VAC power source: Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 Room Condition: The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

E-Seek	Old serial no.	New serial no.	Supplies
Keyboard			Mouthpieces
Printer			Certificates of Analysis
UPS	jb0802017137	jb0728010162	Operator Worksheet
			Other:

Maintenance (if any)
Firmware/software upgrade. Replaced ups back-up battery.

Comments (if any)

Instrument Serial Number 010484

Certification Date 10/30/2013

Instrument Barometer (mm HG) 696

Reference Barometer (mm HG) 699

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.229	0.222	0.235	Sample 2	0.225
Precision		sample min	sample max	Sample 3	
0.001		0.225	0.226		0.225

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.137	0.132	0.141	Sample 2	0.136
Precision		sample min	sample max	Sample 3	
0		0.136	0.136		0.136

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.073	0.070	0.076	Sample 2	0.073
Precision		sample min	sample max	Sample 3	
0		0.073	0.073		0.073

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.018	0.015	0.021	Sample 2	0.017
Precision		sample min	sample max	Sample 3	
0		0.017	0.017		0.017

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG217702-24

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.091	0.088	0.094	Sample 2	0.091
Precision		sample min	sample max	Sample 3	
0		0.091	0.091		0.091

DFS Technician

Donald B Hall

Date

11/1/13

Issuing Analyst

Melinda Kennedy

Date

11/7/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

TLN

DFS Document 250-F113

Revision 6

Page 2 of 2




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
---	-----------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 10/30/2013
TEST EQUIPMENT NUMBER 010484		

13:10 EDT

RESULTS: TIME SAMPLE TAKEN _____
0.00

SAMPLE'S ALCOHOL CONTENT _____ GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND

THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 30 Oct 2013 at 13:40

TLN
DBH
MOR

Test Results

Instrument Serial Number 010484

Test # 000323 Subject Test

Test Location 1 Department of
Test Date 30 Oct 2013

Test Location 2 Forensic Science
Test Time 13:04
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 30 Oct 2013 End Time 13:11

Result Time 13:10

Result Date 30 Oct 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:04

Data Type BLK

Sample Value 0.000

Sample Time 13:05

Data Type CHK

Sample Value 0.093

Sample Time 13:06

Data Type BLK

Sample Value 0.000

Sample Time 13:07

Data Type SUBJ

Sample Value 0.000

Sample Time 13:08

Data Type BLK

Sample Value 0.000

Sample Time 13:09

Data Type SUBJ

Sample Value 0.000

Sample Time 13:10

Data Type BLK

Sample Value 0.000

Sample Time 13:11

Standard Type Dry Gas Std

Standard Value 0.092

Standard Lot Number AG217702-28

Standard Expiration Date 06/25/2014

Tank Pressure 948

Barometric Pressure 696 mmHg

Blow Sample Number 1 Blow Duration 4.02 sec

Blow Volume 2256 cc End-of-Blow Time 13:08

Blow Sample Number 2 Blow Duration 3.31 sec

Blow Volume 1880 cc End-of-Blow Time 13:10

Tamper Evident Stamp 17aa1391

Test Status Code 0

Test Status Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010484 Test Number: 324

Test Date: 10/30/2013 Test Time: 13:13 EDT

Dry Gas Target: 0.091

Lot Number: AG217702-28 Exp Date: 06/25/2014

Tank Pressure: 948 psi Barometric Pressure: 695 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	13:13
CHK	0.093	13:14
BLK	0.000	13:16
CHK	0.093	13:17
BLK	0.000	13:18
CHK	0.093	13:19

Test Status: Success

Calibration CRC: 46E10128

DBH

Intox EC/IR-II: Accuracy Check

WHL

Department of Forensic Science

Serial Number: 010484 Test Number: 325

Test Date: 10/30/2013 Test Time: 13:22 EDT

Dry Gas Target: 0.274

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 154 psi Barometric Pressure: 695 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:22
CHK	0.278	13:23
BLK	0.000	13:25
CHK	0.278	13:26
BLK	0.000	13:27
CHK	0.277	13:28

Test Status: *Success*

Calibration CRC: 46E10128

DBH

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010484

System Date: 10/30/2013

System Time: 13:57 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

WJH

DBH

NSU

Intox EC/1R-II: Calibration

Department of Forensic Science

Serial Number: 010484 Test Number: 326

Test Date: 10/30/2013 Test Time: 14:06 EDT

Dry Gas Target: 0.091

Lot Number: 0651210013-05 Exp Date: 04/01/2014

Tank Pressure: 384 psi Barometric Pressure: 695 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:07
CAL	0.091	14:08

Test Status: *Success*

Calibration CRC: 2E06FC2F

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010484 Test Number: 327
Test Date: 10/30/2013 Test Time: 14:12 EDT

Technician Initials: DBH

Dry Gas Target: 0.229

Lot Number: 2961225012-10 Exp Date: 11/01/2014
Tank Pressure: 174 psi Barometric Pressure: 695 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:12
BLK	0.000	14:13
CHK	0.226	14:14
BLK	0.000	14:15
CHK	0.225	14:16
BLK	0.000	14:18
CHK	0.225	14:18
BLK	0.000	14:20

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010484 Test Number: 328
Test Date: 10/30/2013 Test Time: 14:22 EDT

Technician Initials: DBH
System Check:

Test not completed

INSTRUMENT LOST POWER DURING TEST

DBH
10/30/13

DBH

Intox EC/IR-II: Certification

hsk

Department of Forensic Science

Serial Number: 010484 Test Number: 329
Test Date: 10/30/2013 Test Time: 14:28 EDT

Technician Initials: DBH
System Check: Passed

Operator abort

Certification Status: Failure

PRESSED ESC + 1 TOGETHER
DBH 10/30/13

Intox EC/IR-II: Certification

DBH

Department of Forensic Science

Serial Number: 010484 Test Number: 330
Test Date: 10/30/2013 Test Time: 14:30 EDT

MSL

Technician Initials: DBH

Dry Gas Target: 0.137

Lot Number: 2951215012-03 Exp Date: 11/01/2014

Tank Pressure: 742 psi Barometric Pressure: 695 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:30
BLK	0.000	14:31
CHK	0.136	14:32
BLK	0.000	14:33
CHK	0.136	14:34
BLK	0.000	14:35
CHK	0.136	14:36
BLK	0.000	14:37

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

DBH

Department of Forensic Science

Serial Number: 010484 Test Number: 331
Test Date: 10/30/2013 Test Time: 14:40 EDT

NSL

Technician Initials: DBH

Dry Gas Target: 0.073

Lot Number: 0651208012-03 Exp Date: 04/01/2014

Tank Pressure: 134 psi Barometric Pressure: 695 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:40
BLK	0.000	14:41
CHK	0.073	14:42
BLK	0.000	14:43
CHK	0.073	14:44
BLK	0.000	14:45
CHK	0.073	14:46
BLK	0.000	14:47

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

DBH

Department of Forensic Science

Serial Number: 010484 Test Number: 332
Test Date: 10/30/2013 Test Time: 14:50 EDT

AWM

Technician Initials: DBH

Dry Gas Target: 0.018

Lot Number: 0771302011-02 Exp Date: 05/01/2015

Tank Pressure: 1036 psi Barometric Pressure: 695 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:50
BLK	0.000	14:51
CHK	0.017	14:52
BLK	0.000	14:53
CHK	0.017	14:54
BLK	0.000	14:55
CHK	0.017	14:56
BLK	0.000	14:57

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-11: Accuracy Check

Department of Forensic Science

Serial Number: 010484 Test Number: 333

Test Date: 10/30/2013 Test Time: 15:01 EDT

Dry Gas Target: 0.274

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 149 psi Barometric Pressure: 694 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	15:02
CHK	0.274	15:02
BLK	0.000	15:04
CHK	0.274	15:05
BLK	0.000	15:06
CHK	0.274	15:07

Test Status: Success

Calibration CRC: 2E06FC2F

DBH

MSL

Intox EC/IR-II: Accuracy Check

DBH

Department of Forensic Science

Serial Number: 010484 Test Number: 334

Test Date: 10/30/2013 Test Time: 15:11 EDT

Dry Gas Target: 0.091

Lot Number: AG217702-24 Exp Date: 06/25/2014

Tank Pressure: 546 psi Barometric Pressure: 695 mmHg

System Check: *Passed*

non

Test	g/210L	Time
BLK	0.000	15:11
CHK	0.091	15:12
BLK	0.000	15:14
CHK	0.091	15:15
BLK	0.000	15:16
CHK	0.091	15:17

Test Status: *Success*

Calibration CRC: 2E06FC2F




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

DBH
WHL

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
---	-----------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 10/30/2013
TEST EQUIPMENT NUMBER 010484		

RESULTS: TIME SAMPLE TAKEN 15:27 EDT
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 01 Nov 2013 at 10:10

LBH

MSL

Test Results

Instrument Serial Number 010484

Test # 000335 Subject Test

Test Location 1 Department of
Test Date 30 Oct 2013

Test Location 2 Forensic Science
Test Time 15:21
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 30 Oct 2013 End Time 15:29

Result Time 15:27

Result Date 30 Oct 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 15:21

Data Type BLK

Sample Value 0.000

Sample Time 15:22

Data Type CHK

Sample Value 0.091

Sample Time 15:23

Data Type BLK

Sample Value 0.000

Sample Time 15:24

Data Type SUBJ

Sample Value 0.000

Sample Time 15:25

Data Type BLK

Sample Value 0.000

Sample Time 15:26

Data Type SUBJ

Sample Value 0.000

Sample Time 15:27

Data Type BLK

Sample Value 0.000

Sample Time 15:28

Standard Type Dry Gas Std

Standard Value 0.091

Standard Lot Number AG217702-24

Standard Expiration Date 06/25/2014

Tank Pressure 536

Barometric Pressure 695 mmHg

Blow Sample Number 1 Blow Duration 3.72 sec

Blow Volume 2099 cc End-of-Blow Time 15:25

Blow Sample Number 2 Blow Duration 4.14 sec

Blow Volume 2314 cc End-of-Blow Time 15:27

Tamper Evident Stamp feb2756a

Test Status Code 0

Test Status Success